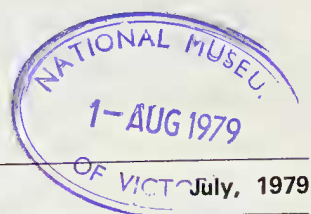


Australian Entomological Magazine

Aust. ent. Mag.



Volume 6, Part 2

AN ADDITIONAL RECORD AND KEY TO THE PSOCOPTERA (INSECTA) OF LORD HOWE ISLAND

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Smithers and Thornton (1975) listed nine species of Psocoptera from Lord Howe Island. Surprisingly, the list did not include any species of *Ectopsocus* McLachlan, a large, cosmopolitan genus some species of which have a very widespread distribution. Some develop very large populations, the usual habitat for the genus being dried leaves or leaf litter. Collecting in 1977 revealed the presence on Lord Howe of *Ectopsocus punctatus* Thornton and Wong (1968) which was beaten from dried leaves. *E. punctatus* was described from New Zealand and is known to occur also in eastern Australia (Smithers, 1977).

Material examined. LORD HOWE ISLAND: 2♂, from dried leaves, Mully Drive, 3-8.ii.1977 (C. N. Smithers).

Smithers and Thornton (1975) did not provide a key to the species of Psocoptera from Lord Howe Island. With the likelihood of increased entomological research on the island it would seem appropriate to present such a key here. Identifications made with its aid should, of course, be checked against full species descriptions.

KEY TO PSOCOPTERA OF LORD HOWE ISLAND

1. Fore wings acuminate, bearing scales 2
- Fore wings with rounded apex, without scales 3
2. Fore wings short (1.8 mm), somewhat thickened; hind wings reduced to small rudiments *Echmepteryx anomala*
Smithers & Thornton
- Fore wings long (2.4 mm), not thickened; hind wings normal *Echmepteryx howensis*
Smithers & Thornton

3. M in fore wing 2-branched 4
- M in fore wing with more than 2 branches 5
4. Fore wing membrane setose in distal part of cell R_3 ; cell IA pale *Pseudoscottiella hollowayi*
Smithers & Thornton
- Fore wing without setae on membrane in distal part of cell R_3 ; cell IA dark *Pseudoscottiella fasciata*
Smithers & Thornton
5. M in fore wing at least 4-branched *Pentacladus marmoratus*
Smithers & Thornton
- M in fore wing 3-branched 6
6. Tarsi 2-segmented 7
- Tarsi 3-segmented 8
7. Areola postica present (i.e. Cu_1 branched) *Caecilius quercus*
Edwards
- Areola postica absent (i.e. Cu_1 not branched) *Ectopsocus punctatus*
Thornton & Wong
8. Fore wing with dark areas along all distal branches of main veins; each flagellar segment dark with pale tip *Aaroniella howensis*
Smithers & Thornton
- Fore wing membrane pale adjacent to distal branches of main veins; flagellar segments not pale-tipped 9
9. Wing membrane adjacent to apex of areola postica dark; hind wing margin with few fine setae between R_{2+3} and R_{4+5} ; Cu_1 in hind wing strongly recurved near wing margin *Spilopsocus parvus*
Smithers & Thornton
- Wing membrane adjacent to apex of areola postica pale; hind wing margin setose along most of length; Cu_1 in hind wing not strongly recurved near wing margin *Haplophallus tandus*
Smithers & Thornton

References

- Smithers, C. N., 1977. The Psocoptera of Muogamarra Nature Reserve. *Rec. Aust. Mus.* 31: 251-306, 98 figs.
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- Thornton, I. W. B. and Wong, S. K., 1968. The peripsoic fauna (Psocoptera) of the Oriental region and the Pacific. *Pacif. Insects Monogr.* 19: 1-158, 202 figs.